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(54) Title: PROSTATE CANCER THERAPEUTICS AND DIAGNOSTICS BASED ON CONFORMERS OF PROSTATIC ACID PHOSPHATASE

(57) Abstract: The signals that determine important characteristics of prostate cancer, such as loss of dependence on androgens are described. A key protein, prostatic acid phosphatase, is shown to fold in different ways in response to cellular signals, and the conformer "mix" of this protein in prostatic cells may represent a fundamental difference between normal cells and cancer cells.